

PVC LABORATORY & VACUUM TUBING

PVC Laboratory & Vacuum Tubing



Excelon Laboratory and Vacuum tubing offers superior strength and versatility at a lower cost than alternative products. This crystal clear, highly flexible tubing is a reliable choice for the transfer of liquids and gases in most of today's laboratory applications.

Ideal for use in peristaltic pumps and medical devices, Excelon Laboratory and Vacuum tubing is an excellent alternative to latex and silicone tubing. The inner bore is as smooth as glass and prevents build-up, making clean-up and changeovers simple and problem-free.

EXCELON PVC LAB & VAC

Properties**	PVC LAB & VAC
Hardness, Shore A	55
Specific Gravity	1.18
Tensile Strength, psi	1650
Elongation at Break, %	450
Max. Operating Temp., °F	165
Brittle Temperature, °F	-58

**Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.



- Equivalent to Tygon R-3603
- Withstands high heat and pressure, up to 27" Hg at 140°F and 29.9" Hg at room temperature
- Meets FDA CFR 21, Part 175.300 criteria
- Well suited for use in paint, pigment and soap dispensing applications
- Withstands autoclaving and repeated gamma sterilization
- Batch consistency

Thermo

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PVC LABORATORY & VACUUM TUBING

EXCELON LABORATORY & VACUUM TUBING

ITEM NO.	SIZE NO.	ID (MM)	ID TOL.	OD (MM)	OD TOL.	WALL (MM)	LG in METERS	LBS. METERS	MAX. WKG. PSI @ 73 °F
6901705	S1A	0.063	+/-0.008	0.125	+/-0.012	0.031	50	0.0048	49
6901805	S1B	0.094	+/-0.008	0.156	+/-0.012	0.031	50	0.0063	32
690205	S2	0.125	+/-0.008	0.188	+/-0.012	0.094	50	0.0141	31
60205	2	0.125	+/-0.008	0.250	+/-0.012	0.063	50	0.0191	43
60305	3	0.188	+/-0.008	0.313	+/-0.012	0.063	50	0.0251	31
690405	S4	0.188	+/-0.008	0.250	+/-0.012	0.031	50	0.0111	23
60505	5	0.188	+/-0.008	0.438	+/-0.012	0.125	50	0.0628	54
60605	6	0.250	+/-0.012	0.375	+/-0.015	0.063	50	0.0315	25
60705	7	0.250	+/-0.012	0.438	+/-0.015	0.094	50	0.0518	34
60805	8	0.250	+/-0.012	0.500	+/-0.015	0.125	50	0.0755	43
60905	9	0.313	+/-0.012	0.438	+/-0.015	0.063	50	0.0377	21
61005	10	0.313	+/-0.012	0.500	+/-0.015	0.094	50	0.0615	28
61105	11	0.313	+/-0.012	0.563	+/-0.015	0.125	50	0.0880	36
61205	12	0.375	+/-0.012	0.500	+/-0.015	0.063	50	0.0441	18
61305	13	0.375	+/-0.012	0.563	+/-0.015	0.094	50	0.0706	25
61405	14	0.375	+/-0.012	0.625	+/-0.015	0.125	50	0.1007	31
61505	15	0.438	+/-0.012	0.563	+/-0.015	0.063	50	0.0503	16
61805	18	0.500	+/-0.015	0.625	+/-0.020	0.063	50	0.0566	14
61905	19	0.500	+/-0.015	0.688	+/-0.020	0.094	50	0.0894	19
62005	20	0.500	+/-0.015	0.750	+/-0.020	0.125	50	0.1259	25
62505	25	0.625	+/-0.015	0.813	+/-0.020	0.094	50	0.1082	16
62605	26	0.625	+/-0.015	0.875	+/-0.020	0.125	50	0.1511	21
62705	27	0.625	+/-0.015	0.938	+/-0.020	0.156	50	0.1963	25
63105	31	0.750	+/-0.020	1.000	+/-0.025	0.125	50	0.1762	18
6931805	S31B	0.750	+/-0.020	1.250	+/-0.025	0.250	50	0.4028	31
6931905	S31C	0.750	+/-0.020	1.125	+/-0.025	0.188	50	0.2832	25
63305	33	0.875	+/-0.020	1.125	+/-0.025	0.125	50	0.2014	16
63505	35	1.000	+/-0.020	1.250	+/-0.025	0.125	50	0.2266	14
63705	37	1.000	+/-0.020	1.375	+/-0.025	0.188	50	0.3587	19
63805	38	1.000	+/-0.063	1.500	+/-0.063	0.250	50	0.5035	25
693905	S39	1.250	+/-0.063	1.500	+/-0.063	0.125	50	0.2769	11
64105	41	1.500	+/-0.063	2.000	+/-0.063	0.250	50	0.7049	18
6941705	S41E	1.750	+/-0.063	2.250	+/-0.063	0.250	50	0.8056	16
64205	42	2.000	+/-0.093	2.500	+/-0.093	0.250	50	0.9063	14

EXCELON LAB VACUUM TUBING

ITEM NO.	SIZE NO.	ID (MM)	ID TOL.	OD (MM)	OD TOL.	WALL (MM)	LG IN METERS	LBS. METERS	MAX. WKG. PSI @ 73 °F
6188VAC		0.188	+/-0.008	0.563	+/-0.015	0.188	50	0.1141	70
6250VAC		0.250	+/-0.012	0.625	+/-0.020	0.188	50	0.1330	59
6375VAC		0.375	+/-0.012	0.875	+/-0.020	0.250	50	0.2532	49
6500VAC		0.500	+/-0.015	1.125	+/-0.025	0.313	50	0.4115	49
6625VAC		0.625	+/-0.015	1.375	+/-0.025	0.375	50	0.6078	45
6750VAC		0.750	+/-0.020	1.500	+/-0.063	0.375	50	0.6838	38
61000VAC		1.000	+/-0.063	2.000	+/-0.063	0.500	50	1.2156	42

EXCELON LAB METRIC TUBING (DIAMETER SHOWN IN MM)

ITEM NO.	SIZE NO.	ID (MM)	ID TOL.	OD (MM)	OD TOL.	WALL (MM)	LG IN METERS	LBS. METERS	MAX. WKG. PSI @ 73 °F
600215		2		4		1	15 m	0.0295	40
600315		3		5		1	15 m	0.0397	30
600415		4		6		1	15 m	0.0492	25
600515		5		8		2	15 m	0.0956	30
600615		6		9		2	15 m	0.1103	25
600815		8		12		2	15 m	0.1961	25